

37-10

37-10

72

72

72

PAGES 1-24

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SEC: 6-37-10 Aug 14-1920 25

SW Cor: found post and Dars BT

Run E Var 4^{FE}

22.72 Dars 1/4 Post gone as his were
 spruce and this is the only low
 ground near where spruce grows and
 this low ground is only about 1.00
 chain in circumference it must have
 been here. my random passes through the
 north edge of this low ground

5753 Enters Swamp

6650 Stream 10 course South

8000 Did not find corner.

PAGES 26-36

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see 9.37-10 may 14 1919

S $\frac{1}{4}$ P SET by BFDorr. in 1898. BT's gone... " Run N. Van 3 $\frac{1}{2}$ E1500 Stream 25 runs ~~west~~ S. W

5700 old Stella Lake road

8215 fell 2.05 W of $\frac{1}{4}$ set in Jan 1909

see Page 323. Dorrs book of field notes

NEW bearing $\frac{1}{2}$ N $\frac{1}{2}$ W 10 S 35 E 23 $\frac{1}{4}$.my old bearing }
bec = 1 $\frac{1}{2}$ to change course T 25'

SW cor = Stump of orig. Pine 18 OK. others gone

mad NEW } J. Pine 12 N 44 $\frac{1}{2}$ W 54

" " } W .. 15 S 78 W 49

Run N Van 2 $\frac{1}{2}$ East1999 found on old $\frac{1}{8}$ Post3998 FELL 11 N. OF W $\frac{1}{4}$ P found Slump of ~~HW~~

SE org tree set NEW Post

W $\frac{1}{4}$ P. East Van 00

350 Enter Swamp

900 LEAVE "

7600 Ente wet marsh

8195 FELL 12 N of E $\frac{1}{4}$ Post which set From

org BT's in 1898 from org trees.

center of SEC = } W. Pine Stp 30 N 74 $\frac{1}{2}$ W 52

" " } .. 18 S 36 E 30

Dist. to N $\frac{1}{4}$ P 4030 Dist. to E $\frac{1}{4}$ P 4209

" " S " 4185 " " W " 3986

 $\frac{1}{8}$ P. South of center } W. Pine Stp 24 S 62 E 48S $\frac{1}{8}$ P. on W Line } J. Pine Stp 24 S 62 E 48.Corrected Line from center west to $\frac{1}{4}$ P" West Line from $\frac{1}{4}$ P. S. to SW corner.Nothing for
beams

PAGES 38-43

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1921
Survey of Road For Tow. of Stela

45 sections 11-12-13-14-37-10E SEPT 21

corner to 13.14-11 & 12 ok Run South Var $3\frac{1}{2}$ E

4000 did not find $\frac{1}{4}$ P.

8006 " " " corner to 23.24-252 @ creek
 $\frac{1}{4}$ P.

12000 " " " "

16000 to corner to 25-2435-36

SEE line stakes but no corners except at
Starting Point

Have set all the corners this time years
ago, and The Sparks Co has destroyed them

PAGES 45-53

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#R29724X

Summary of N + S. 1/4 Sec. line in Sec. 11
for Miss L. Starks

by Ray H. Hall - Deputy Co. Surveyor

December 27th 1929 Misty 26°
Ray + Marshall Hall with Jay French
Shown the Orig. 1/4 S. bet. 2 + 11 by "

C.P. Vaughan had found this corner & exposed the orig.
facing on the large birch NE - no marks visible - plenty of
crisiser blazes facing corner location. C.P.V. has set large
post & marked two new trees.

Var. for 1929 (calc. from Govt. Var. on this line) would be 1°30' W.

With this var. I set over Vaughn's post & find NE tree trs
N 2 W. (Rec. says 2 12" triches 18 lbs apart N9E + S9W)

I find birch stub S 9° W .176 from tree noted & set Iron
Pipe accordingly for 1/4 S. This is about 1 1/2 ft. W. of Vaughn's cor.

V 1°30' W.	Orig Birch	N 9 E	.12	7.9'
	"	S 9 W	.06	3.9'
	C.P.V. Maple 8"	N 68 3/4 W	.219	14.4'
	" Y Pine 8"	N 75 E	.13	8.6'
	New Hemlock 14"	S 33 W	.449	29.6'
" W. Pine 18"	S 26 1/2 E	.739	48.8'	

Set var. arc. at 1°45' E and run S 4° 50' W on random.
(This is about the way the lines in 14 were running.)

0.0 Iron Pipe at 1/4 S.

1.48⁸ hub

4.10⁵ "

5.947 "

8.72 "

12.95 "

16.81⁸ "

Leave this for the present. Hope to find some
way to signal between N + S 1/4 corners.

At Orig. NW cor. Sec. 14 (See pages 134-135) Run S 87° 16' 15" E
by angle S to E 91° 19' 25" off true 44-14 (mark on house)

- This work based on work noted on pages 118-146 -

January 2nd 1930 +28° Ray + Marshall
Continued S 87° 16' 15" E on random S. line Sec. 11

ch.

13.56³ hub in open field

16 ± enters Swamp

39.50 leave " (balance is open field)

41.55 Set marker on true line for 1/4 S.

- See next page for reference pipes -

43.08' hub

83.10' fall 1.5 feet S. of iron monument at Orig.
corner to 11-12-13-14 (See page 124)

More .75' N at 1/4

(Calc. length 83.048)

at 62° " = 5483.5 feet

2741.7

January 6th 1930 Overcast 35°

Ray, Keith & Marshall - Decide to run a traverse
SE by from Sta. 16.82 on page 54 to gain open field.

① deflection - (L) from "	39° 22 1/2' (S 34° E Mag.)	3.92 ⁸ ch.
② " " (R)	24° 13' 10" (S 10 E)	7.70 ⁵
③ " " (L)	63° 06' 40" (S 73 E)	4.96

To open field, near stack

Jan. 9th '30 +3° Overcast - same party continue (3 hrs.)

④ deflection angle (R)	74° 37' 30" (S 1 1/4 W)	47.87 ⁵
⑤ " " (R)	54° 02' 40" (S 55 1/2 W)	9.814

to 1/4 S on Φ Sec. 11

At " angle NE to E. 36° 28'

∴ Considering Φ 11 as S. 87° 16' 45" E we have (@ 30° F)

(True) Course	Sin - Cos.	Chains	N	S	E.	W.
N 56° 15 1/4' E.	.83151 .55551	9.81 ²	5.451		8.15 ⁹	
N 2° 12 1/2' E.	.03853 .999255	47.86 ⁶	47.830		1.84 ⁴	
N 72° 25' W.	.95328 .30209	4.96 ⁰	1.49 ⁸			4.72 ⁸
N 9° 18' 20" W	.16170 .98684	7.70 ⁵	7.60 ³			1.24 ⁶
N 33° 31 1/2' W	.55230 .83364	3.92 ⁸	3.27 ⁴			2.16 ⁹
N 5° 51' E	.10192 .99479	16.81 ⁸	16.73 ⁰		1.71 ⁴	
			82.386		11.717	8.143 = 3.574

∴ 3.574 ÷ 82.386 = .04338 = Jan N 2° 29' E

∴ Calc. for $\frac{1}{4}$ Sec. line = $N 2^{\circ} 29' E$ 82.46° @ $30^{\circ} F$
 = 5442.6 Ft. "
 = (5441.4) @ 62°

January 11th, 28th + 31st 1930 Ray + Marshall
 Run $N 2^{\circ} 29' E$ from $S \frac{1}{4}$ by
 $\angle 90^{\circ} - 14^{\circ} - 10'$ E to N off Φ Sec. 11
 $\angle 53^{\circ} - 46' - 10'$ NE to N " traverse line

Meas. by stadia only - Approx.

2250 leave Swamp

2386 stake

3046 "

3570 \pm old road E/W

3656 stake

4532 "

5052 "

5362 "

5441 $\frac{1}{4}$ S. fall about 2 inches W of Pipe \checkmark

(Old slope in N. end of Swamp
 about 3 lbs. E. of Φ on line)

Unable to drive Pipe in frozen field at South $\frac{1}{4}$
 ∴ Drive Iron Pipe for reference $N \frac{1}{2}$ on $\frac{1}{4}$ line $1.87^{\circ} ch = 124.0'$
 " " " " " " $W \frac{1}{2}$ on Φ 11 $1.97^{\circ} \dots = 130.0'$
 (These are at edge of field. Sec. line at S. edge W. pipe)

— See plot # R29724X on file —

^{of lines}
 Courses given in the foregoing notes are true courses
 the average mag. var. being $2^{\circ} - 25' E$.

The Govt notes as copied in County Clerk's office here are
 obviously in error in respect to S. line of 11.

" W. corner between 11 + 14

40.00 bet $\frac{1}{4}$ S.

80.48 Sec. Cor" We went to Madison + found the $\frac{1}{4}$ S.
 noted as at 40.24 or. mid-way.

Posted in County Record.

PAGES 57-76

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Sec 19-37-10. May 16 1918

SW Cor: iron Pipe in road near West creek
 } Y. Pine St P 16 S 61 1/2 E 70

Run E Var 4° East

1934 to P of hill 75 W of Lake

3070 over Lake to hill E of "

4925 Enter Spruce Swamp

7996 Fell 871 N. of Cor found my Post Set
 from org B.T. in 1898

Corrected West and set E 1/8 P. in Swamp

S 1/4 P NEW } Y. Pine 10 N 86 E 73

W 1/8 P line } 8 S 46 1/2 W 62

West 1/8 Post } W. Pine St P 24 N 73 E 158

See for correction 1090 Change course 6 15'

corrected Var 2 1/4 West. This is all Part 165

They own SE, SW & SW, SE. The SE, SW is over
 or about 1/2 Lake = May 17 =

I did not have my notes for SW cor. when
 I started, but have them now and find
 the Post should be 12 Lks for the north I have
 corrected the line and set 1/8 Posts + 1/4 Post
 as given above

7996

#R30480

Roads for Town of Stella

by H. C. Hall

- ① Between Secs. 10 & 11
- On Sec. line except present detour around swamp.
+ " about 10 rods at N. end.
- ② Between Secs. 14 & 23
- On Sec. line connecting the two N & S. roads extend
- ③ Between Secs. 26 & 27
- On Sec. line north of County Trunk "C" except for detour around R.R. Section House.
- ④ On Secs. 4 & 9
- North from $\frac{1}{4}$ S. thence approx. on $\frac{1}{4}$ line in 4 to the present farm road.
- All 3 rods wide

②

April 24th 1930 Fair 40° H.C. Hall with Ray & Marshall

Stake road on line as run & corrected 1929

Drive pipes at $\frac{1}{8}$ corners down deeper & offset

posts S. to road limit.

At $\frac{1}{4}$ S. between 14 & 23 mark 2 new bearings.

Var. $1^{\circ} 50' E.$	} Balsam $5^{\circ} S 28\frac{1}{2}^{\circ} E$	1.23 = 81.2
		W. Pine stump $S 62\frac{1}{2}^{\circ} W$

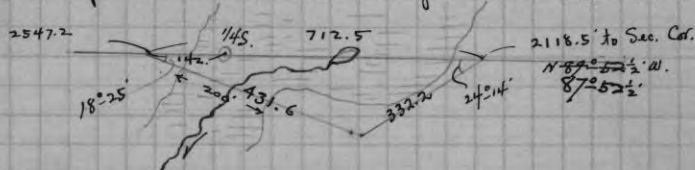
Length of this Sec. line = 5378.2'

- at W. end - 168.

at E end 218.

4992.2' ✓

Later - Supervisors decide to cross swamp at narrows thus:



$$\begin{array}{r} \therefore 431.6 \\ 332.2 \\ \hline 763.8 \\ - 712.5 \\ \hline 51.3 \\ + 4942.2 \\ \hline = 5043.5 = 305.7 \text{ Rods - new construction} \end{array}$$

④

Centre of Sec. 9 Find D.H. Vaughan's post rotted off. Agrees with his NW stump (SE stump gone).
 Vaughan's " " N $77\frac{1}{4}^{\circ} W$. .52 = 34.3'
 Var. $1^{\circ} 12' E.$ } New 60° W. P. stump $S 48\frac{1}{4}^{\circ} W$. .805 = 53.1'
 Fence cor. $.08\frac{1}{2} N$ & $.03\frac{3}{4} E.$ of cor.

Recent blow-down north of here - terrible mess.
 We look for S 4 in order to run N. on true line.
 Find only a stake in crooked fence all stumps removed. Unable to identify it as corner D.H.V. set in 1898.

April 25th 1930 Fair 50°
 H.C. Hall with Ray, Keith & Marshall
 Run N. on random from D.H.V. Center Sec. 9 - 37-10
 Var. $1^{\circ} 16' E.$ not constant.

chains

5.00	stake	.098 E.
10.00	"	.197 "
13.262	hub	
15.00	"	.296
19.797	"	$\nabla 1^{\circ} 24' E$ here
20.00	"	.394
25.00	"	.492
30.00	"	.591
35.00	"	.69
37.59	"	.74
39.93	"	& turn deflection $\angle (R)$ to $\frac{1}{4} S.$ set by D.H.V. 1910 $57^{\circ} 36'$.94 $\frac{1}{2}$ ch.

This line corrected & staked

$$\therefore 40.436 \text{ rt. } \angle E \text{ to } \frac{1}{4} S. \frac{.798}{.01973} = \tan 1^{\circ} 08'$$

$$- 1.24'$$

$$\text{Correct Day} = 0^{\circ} 16' \pm$$

$$\text{True length} = 40.444 \text{ ch.}$$

* $\frac{1}{4} S.$ Find D.H.V.'s Pine (now down) and his post (down).
 Drive new " post & mark
 $\nabla 1^{\circ} 24' E.$ } W. Pine 18" N $66\frac{3}{4}^{\circ} E$.463 = 30.6'
 } W " 18" S $39\frac{1}{2}^{\circ} E.$ 1.052 = 69.6'

④ continued

Run N. in Sec. 4 from S $\frac{1}{4}$ on about 1°-08' E Var.Deflection \leftarrow from $\frac{1}{4}$ line in Sec 9 = 1°-10' Left (NW).

① 11.50 Swamp hole

12.70 over "

23.80 \oplus farm road. See change $\frac{1}{16}$ May 16th

①

S. 2°-28' W (true Course) on Sec. line between 10+11 from Orig. Cor. to 2-3-10-11 which is a point 7 lks. S 46° W from Orig. B.T. in Spafford's field. No monument at corner.

② 2.31 commence staking road.

10.83 \oplus present road to Spafford's

66.55 hub for angle off line SW around swamp.

68.00 drive hub in swamp on line.

May 8th 1930 H.C. Ray & Marshall 10 AM
Close traverse beginning at sta 66.55 above.

- ① def. \angle (R) = 40°-13 $\frac{1}{2}$ ' = S 42°-41 $\frac{1}{2}$ ' W 312. feet
to center of present town road. Th. in \oplus same
- ② " " (L) 43°-13 $\frac{1}{2}$ ' = S 0°-51 $\frac{1}{2}$ ' E 436. "
- ③ " " L 13°-32 $\frac{1}{2}$ ' = S 14°-24' E 240. "
- ④ " " L 14°-04' = S 28°-28' E 185. "
- ⑤ " " R 25°-17' = S 3°-11' E 116.1 "

To Orig. Cor Secs. 10-11-14-15

Which is marked by Iron Pipe 5 or 6' W. of \oplus

Turnpike from which W. P. stump 28" brs N55W 1418' = 94.2'

At Sec. Cor. back sight on true line S (bet. 14+15) & find line of 10+11 deflected 1°-30 $\frac{1}{2}$ ' @ 30' Left.

Closing \angle of traverse turns 5°-40' \checkmark

length of this mile = 5569.7 = 84.389 ch. (D.V. gives 84.28)

New Construction = 4552' = 275.9 rods

⑤

May 8th 1930 P.M. H.C. Ray & Marshall
Correct our line between 26+27 (run last year)
Mas S on line (true Course = S 0°-54 $\frac{1}{2}$ ' E)

feet
0.0 Orig. Cor. Secs. 22-23-26-27
800. leave present road - brs. S & E
1400. deflection \leftarrow SW $\frac{1}{4}$ to pass RR. Sec. house
12°-17' 315. feet.
thence S 0°-54 $\frac{1}{2}$ ' E parallel to 67' dist from line
@ 85.2 \oplus 500 Ry track brs S 87°-44' E
@ 200. def \angle 25°-17' (L) 156.9' to Sec. line
" S 0°-54 $\frac{1}{2}$ ' E on line to \oplus County Hwy "C"
497.6'

Total new construction = 1752' = 106.2 Rods.

④

In Sec. 4

May 10th 1930 P.M. Hot!

H.C. Hall, Ray, Marshall & Jay French

Find Orig. N.E. Sec. 4 The orig Birch is plain but will not last much longer. W. Pine stump some turned. D.V.'s post down. We drive a new W. Pine post & pile about a doz. boulders around it.

Pocket Compass
 { Orig. W. Pine stump 7" S 70° W .10 =
 " Birch stub 10" S 70° E .13 =
 New Spike in B. Oak 2" N 34° W .26 = 171'

Nothing else for bearing

D.V. must be mistaken about marking a W. Pine stump here:

Corner is on S. slope about 1 ch. S. of shoulder
Chain west thru the brush by Pocket Compass 0° Var.

25.00 S E x small marsh

30.00 Enter "

32.00 Over "

33.00 Enter field N E

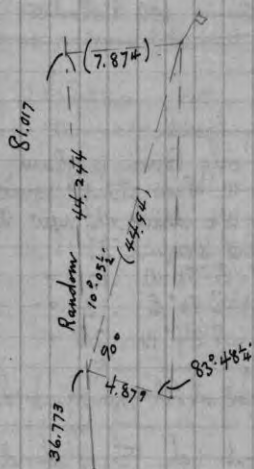
51.00 leave " N T S

60.60 fall 1.30 S of D.V. $\frac{1}{8}$ S. cor which he set in line with Orig $\frac{1}{4}$ when that was there.Set flag in field 20.00 E. of $\frac{1}{8}$ Cor. (for sight from Sixth)

* DHV's West $\frac{1}{8}$ on N. line - find his old post (down) agreeing with his birch, turned & broken off. Drive dry balsam post in the old post hole and an iron (cann) shaft on E. side of ". Nothing near for bearings.

Town board has decided to have this road in Sec. 4 laid on N.T.S. $\frac{1}{4}$ line

May 16th 1930 Overcast 40°
H.C. Ray & Marshall 9:40 AM
Pick up our random N from S. $\frac{1}{4}$ and continue Nly on same to within sight of flag for N end of $\frac{1}{4}$ line.
36.77³ hub & turn def. \angle R. to flag
10 \div 06' \angle 20 \div 11'



$$\begin{array}{r} 83^{\circ} 48' \frac{1}{2} \\ \tan 9.2114 \\ \times 4.877 \\ \hline 44.944 \end{array} \quad \begin{array}{r} \sin 10^{\circ} 05' \frac{1}{2} = 7.874 \\ \cos \quad \quad \quad = \frac{36.773}{44.244} \end{array}$$

$$81.017 \cdot 7.874 \cdot (.09719) = \tan 5^{\circ} 33' \\ \cos .99531$$

$$\begin{array}{r} \text{Calc. length} = 81.40 \text{ ch.} \\ \text{DHV} \quad \quad \quad 80.95 \text{ "} \end{array}$$

$\frac{1}{4}$ N. $\frac{1}{4}$ is ever located permanently, it will not disagree with this section of road to any appreciable extent.

We correct & stake this part of road (in Sec. 4)
Dist. to \oplus present road = 22.88 ch. = 1510'
+ 40.444 = 2669.3 in 9
4179.3

$$\begin{array}{r} 5^{\circ} - 32' \\ - 1 - 10' \\ \hline 42 - 23' \end{array} \text{ deflection } \angle \text{R.} \\ \text{from } \frac{1}{4} \text{ line in} \\ \text{Sec. 9}$$

$$= 253.3 \text{ Rods} \\ \text{To be built}$$

Posted

- All for Town of Stella

P.M. Same party Continue cruising in Sec. 4
Cruise W. from $\frac{1}{8}$ on N. line NW $\frac{1}{4}$ 0° Var.
500 steps - 3

Find DHV's old stake (down) at Orig. NW cor. Sec. 4
Checks 51 lks. (529W) from his Birch & checks fairly well with such evidence of 4 orig. bearings as can be found

We drive 4" x 4" W. Pine post + 1" iron bolt with square nut on top + Scribe - the stub of DHV's birch (which he forgot to mark)

Pocket Compass } \nearrow 25° E. .51 = 33.7'
0° Var. } No other good bearings near.

Run S. on 10 \div 14' (10 \div 7 \div) W. Var. Pocket Compass

Find DHV's N $\frac{1}{2}$ on W. line. Old post down & agreeing with remains of his B.T.s.

Drive new pine post & 3 small iron rods
No bearings near.

Continue S. on 14° W. Var. to agree with line from NWx

337 paces Robbins R.R. to camp.
did not get time to look for West $\frac{1}{4}$

Posted

PAGES 84-99

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Sec. 25-37. 10 E May 4. 1918

E 1/4 Post found post and bearings & made in Nov. 1898. found org trces.

Run N. Var 3° E

175 Stream 30 runs northwesterly

2445 South Line of Soo right of way

3956 FELL 178 West of me. which I set from org. bearings in Nov. 1898

Corrected Line from South Line of Soo right of way to E 1/4 P. and found the dist bet. E 1/4 Post and Soo right of way on corrected line to be 2486.

Run East from this Point to Lake at right angles to sec. line 2486 at this point it is 1.60 N. to Soo right of way.

I then run E. at right angles with sec. line from a point 10.00 N. of E 1/4 P. 1050 to Lake and at 2000 N. of E 1/4 P. it is 528 to Lake

" " 2486 " " " " " " 800 " "

528

800

1050

1068

4/3486 = 86 1/2 average dist. from E. line to Lake

" " N+S 2513

Total acreage in Lot 2 Sec. 30-37-11 Lymg

West of Lake and stream is 21.65 1/100

West from E 1/4 P. Var 0°

3060 intersect Stat road supposed to be on E + W 1/4 line. at 2000 set Temp. 1/8 P. and at 4000 set Temp center of sec and at 6000 set Temp 1/8 P. west of center.

Run N. from Temp. 1/8 post E. of center Paralell with E line 1642 to Soo right of way

North from Temp. center at Paralell with E line 1487 to Soo right of way

at 50.00 west of East 1/4 Post. Run N. Paralell

with E line 1462 to Soo right of way

at 30.00 west of E 1/4 Post it is 1422 to Soo

right of way

PAGES 101-116

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SEC 29-37-10 March 28-1918 ¹¹⁷

Began at W 1/4 Post which SEC in DEC. 1912
 see SEC 30 37-10 county record. The new
 bearings are { Dead W. Pine 18 N 40 1/2 E 52
 " " Tam 10 N 5 1/2 W 27

Run East Var 5 1/2 E
 0095 Stram 20 runs SW crossed it 8 times
 1975 Wagon road to Starks runs S. W. to July

4800 " " " " " N "

6500 Enter Swamp

8365 fell 136. S of E 1/4 Post set by Dorr
 as South 1/4 P is in Lake. N. 1/4 P gone
 and I know West Line is straight &
 set cct center at 415 1/2

{ B. Pine 58 4 E 22 1/2
 " " 68 42 E 57

Dist: to N 1/4 Post 4533

S " " in Lake

" E " " 415 1/2

" W " " 452 1/2

South from center var = 3 1/2 E
 1561 to Lake and set mg. of Pine 8 north l. Link
 corrected line west from center and
 set 1/8. Post { TGL Pole 9 N 21 W 14
 { W. Birch 14 S 77 1/2 W 48

R29612
 Survey in Secs. 14 - 23 - 26 etc 37-10E.
 for Onida County Investment Co.
 - from Jay French - manager at Starks.

by H.C. Hall

§ Sec. 26

July 10th 1929 fair - warm

H.C. Hall, Ray Marshall & Jay French 9 AM
 I identify orig. cor. to Secs. 26-27-34-35 as perpetuated
 by D.H. Vaughan. Set point by intersection of his record
 distances from his two stumps, which remain OK. Find stake
 hole & burned off post 1/2 lb. W. of point & drive 3/4" Iron Pipe
 in said stake hole for corner. (No evidence remains of
 orig. Spruce & Aspen. ledge of rocks noted by US deputy consists
 of about 3 boulders.)

① $\begin{matrix} \vee 3^{\circ}E - \text{Mark a + on } 3' \times 5' \text{ boulder } S46^{\circ}E & .92 & = & 60.7' \\ \vee 0^{\circ}05'E \left\{ \begin{matrix} \text{D.H.'s W. Pine stump } S86^{\circ}E & .14 & = & 9.3' \\ \text{" " " " } S15^{\circ}W & .10 & = & 6.6' \end{matrix} \right. \end{matrix}$

" " road stakes 50 lbs. E & W remain

May 16th '33 Set 3' x 6' x 6' Mon. rocks around top.

Run E. on a random from this corner

Chains $\vee 0^{\circ}05'E$

- .32² fence N + S
 - .16 \neq Road N + S
 0.0 Iron Pipe at orig. Sec. Cor.
 9.11 hub
 14.97 "
 17 1/2 enter hay field NW + SE
 20.30 set hub for temp 1/8 S. (D.H. record)

40.60 " " " " 1/4 S " "

40.86 right angle N. .46⁷ for 1/4 S

July 26th Drive Iron Pipe + scribed post + pile up rocks
 ② In open field - no bearings near -

45.31' hub

74.64 " + turn def. \angle (L) to avoid creek $15^{\circ}06'$

Thence along sd. deflected course

7.30 hub (+7.56 D.H. record)

§ Sec 26

Search 2 hours for D.H. Vaughan's bearing trees. Everything
 burned. Plenty of stumps. (Will attempt to get more direct
 information as to creek location from D.H. V. scratch books)
 (7.343 intersect our N + S random .97⁹ N. of post)

Theoretically at 81.76° (on orig. random) rt. \angle N. to corner .93⁴
 $.93^4 \div " = .01142 = \text{Tan. } 0^{\circ}39 \frac{1}{4}'$

Note - Traverse around Sec. 26 indicates .005 excess N²⁹
 .069 " E²⁹

Random line angles close within $0^{\circ}01'$

Conclude we gained about 0.05 on §26 (between 50,000/100)

$\therefore \geq 81.72$ fell $\geq 1.93^4$ S. of corner = $.01143 = 0^{\circ}39 \frac{1}{4}'$ ✓
 40.86 .46⁷

July 12th 1929 - Overcast - Same party
 Find D.H. Vaughan's corner to Secs. 25-26-35 + 36 (which he set
 by double proportion in 1906) by finding 2 of the right sort of
 stumps (charred) which measured exactly 0.29 apart. D.H.'s
 old post found down & charred under vegetation at intersection
 of his record ties. We drive Iron Pipe & new W. line post
 in the old stake hole & re-mark his stumps.

③ $\vee 1^{\circ}58'E \left\{ \begin{matrix} \text{D.H.'s W. Pine stump } 28" N32^{\circ}E & .32 & = & 21.1' \\ \text{" " " " } 16" N32^{\circ}4W & .47 & = & 31.0' \end{matrix} \right.$

Run North on a random from this post after piling up rocks
 around corner - low ground - alders. $\vee 1^{\circ}58'E$

- .60 N. bank rapid stream runs W SW

0.0 Sec. Cor.

.35 leave bottom

.97⁹ intersect random traverse line (at 7.343) + turn
 angle W to N $102^{\circ}48'$ 3) 308-24(-

2.985 hub on low ridge

5 1/2 } marks of ash swamp

8 }
 12.559 hub + leave bottom

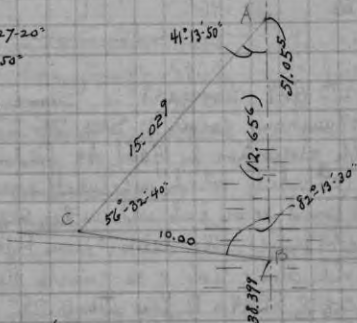
E. line Sec. 26

- 18.249 hub on ridge
 20.00 enter Spruce & tann. swamp NE & SW
 (S. end " brs 6 or 7 ch. SW)
 33. leaves " NE & SW
 34.568 hub
 35.75 Enter Swamp
 36.24 6' x 8' boulder on line
 38.399 hub at S. edge of 18' grading of County Highway 'C'
 = (2534.3' + 9.1' - 0.7' = 2542.6' on true line to Φ road)
 lay off base line 10.00 along road W. to avoid wet swamp.
 Thence across open field to A 15.029 Meas.

$$c = \frac{a \sin A + b}{\sin A} = \frac{10 \times \cos 33^\circ 27' 20''}{\sin 41^\circ 13' 50''}$$

$$= \frac{10 \times .83426}{.65909} = 12.658 \text{ ch.}$$

By lat + dep. = $\frac{12.656 \vee + 38.379}{51.055}$



40.475 at \angle E. .15' for 1/4 S.

Drive 48" x 1 1/2" Iron Pipe & Cedar post
 Pocket Compass bearings - Aug. 2nd

⑥

{ W. Birch 5"	S 30° E	.545	=	36.0
{ W. " 8"	N 76° W	1.36	=	89.8

51.055 hub at A

July 13th 1929 H.C.H. Ray, Keith Marshall & Jay French
 Continue N. of some random line

52.164 hub

52.97 1/2 Φ Soo RR Track

= 52.967 (3495.8') on corrected line

Calc. course of Soo line here = N 87° 43' 40" W

80.95 right angle \angle .312 to orig cor. to Secs. 23-24-25-26

(See page 127 for location of this corner)

- ⑨ Drive Iron Pipe & scribed cedar post in oat field
- | | | | | | |
|-------|---------------------------|-------------|-------|---|--------|
| 13° E | { W. Pine stump 14" | S 68° E | 1.559 | = | 102.9' |
| " " | " " 16" | N 74 3/4° E | 1.56 | = | 103.0' |
| | ence N + S \pm brs East | | .64 | = | 42.2' |

All orig. marks etc destroyed when land was cleared.

- Identified by R.H.V.'s line & meas. from E. which correspond very closely with record from S.

80.95) .312 (.00388" = $\tan 0^\circ 13' 15''$ To correct E.

Note - Decide to use this line (corrected \angle $0^\circ 13' 15''$) as Assumed Meridian for convenience

$\frac{1.1^\circ 58' E}{-13}$
 $\therefore \text{Var. } \frac{1^\circ 45' E}{S}$

The final scope of this survey warranted an observation on Polaris (see Page 145)
 We found that the True Meridian is $0^\circ 04' 1/2'' \pm$ East of our assumed North. On the plat of this work we have shown all courses of lines adjusted to the True Meridian - very nearly
 The magnetic declination varied considerably over the area embraced in this survey, $1^\circ 50' E$ being a fair average variation. As indicated, the bearings to corners were not all read on the meridian, some being taken with pocket compass.

→ All courses herein after mentioned in these notes are on the basis of the Assumed Meridian.

The angle formed by random Φ 26 & random Φ 26 W to N = $87^\circ 42'$
 $+ 0^\circ 39' 1/4''$
 $- 0^\circ 13' 1/4''$
 " " " " True Φ " + True " " " = $88^\circ 34' 1/2''$

Continue Nly on same random

81.224 hub in oat field

93. old road NEly

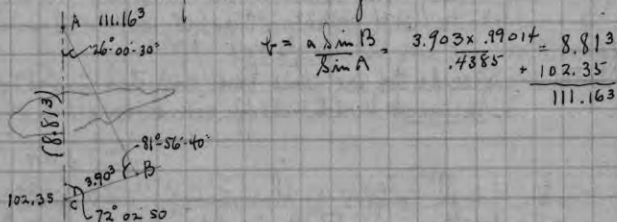
96.075 hub

E. line Sec. 23 continued

100.61⁸ rt. \angle Ely .50³ for $\frac{1}{4}$ S. Point falls on shoulder of ridge opposite W. end irregular pond

(12) Drive Iron Pipe, scribed pine post, pile of rocks
 V 1:45⁶ } W. Pine stump 16" N40 $\frac{1}{2}$ E .91 = 60.1'
 Aug 1st } W " " 14" N61 $\frac{1}{4}$ W .67⁵ = 44.6'
 Φ N & S road brs Wly 2.75 = 18.5'

102.35 hub & triangulate over slough



120.28⁶ rt. angle Ely .69⁴ for $\frac{1}{4}$ S. between Secs. 23+24
 Point falls on a ridge

(13) Iron Pipe, scribed pine post - pile of rocks
 V 1:45⁶ } W. Pine stump 22" S42 $\frac{1}{2}$ W. 1.10⁶ = 73.0'
 Aug 1st } " " " 28" S68 E .74³ = 49.0'
 Φ Road brs Wly 3.85 = 254.
 We were unable to find the orig. $\frac{1}{4}$ noted by DHV.
 Burned & some of stumps have been removed

137.23 hub

145.80³ " in open flat

160.75³ " Search for Sec. Cor. Find nothing - Timber all down & badly fired. It is 23 years since DHV noted this corner as OK. Does not say he set a post nor marked bearings. His sketch of logging road does not agree with present road.

Later - Search & find remains of a down B. Oak and a Sugar Maple (about 3.30 E. of road) but cannot find any old stake hole or other convincing evidence of corner. (One old blaze N. of this spot found by HC.H)

The oak & maple remains are in about the right relative positions but so far we have no other factors to prove this the corner. DHV leaves no record of running the line between 23 & 24.

- See pages 136-137 for our line between 13+24 + our identification of this corner -

Continue Nly on same random (N 0° 13 $\frac{1}{4}$ ' W)

159.62³ rt \angle Ely to orig. cor. to 13-14-23-24 as described, 1.07⁶ ch. on page 137.

(22) Drive Iron Pipe, scribed pine post - pile of rocks
 V 1:45⁶ } Burnt W. Pine stub 40" N69 $\frac{1}{2}$ W .43⁶ = 28.4'
 July 21 } " " " 50" N 62 W 1.62⁵ = 107.2'
 W. Birch (on bark) 6" N46 W .51 = 33.7'
 New road N & S planned here - no bearings available on E. side.

160.77⁹ intersection with random N Sec. 24 see page 137
 \angle S to E 82°-07'-30"
 S to SE to corner 42°-58' 1.57⁹ ch.

July 20th 1929 fair - cooler - Ray, Marshall & Jay French
 160.75³ Continue same random Nly (N 0°-13 $\frac{1}{4}$ ' W)

Course here reads N 10° E. with var. I started on (1:58⁶)

181.75 \pm Φ Graded road brs. a trifle E. of N. here

183.28⁵ hub

193.50⁵ Φ " " " " W - N "

200.00 set temp. marker - Did not look for $\frac{1}{4}$ S. No record that any was ever found. French knows location of orig. SW \times 12 so will tie that in - all found going.

211.75 line of road W. junction about 1 ch. W. of random

214.30 Φ Road again brs N 30 E \pm

233.909 hub in open field - we are West of everything^{here}.

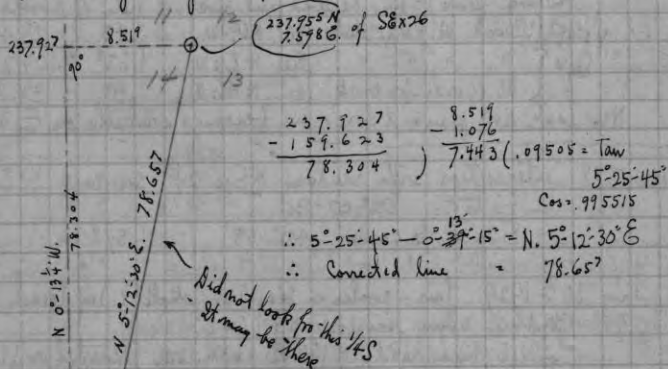
- We identify orig. cor. to Secs. 11-12-13-14 by remains of sugar & hole where W. Pine was blown out. This tallies with Mr. French's statement that cor. was in the road + 45 ft S. of fence E. Fence has been removed but its location is apparent. We look all PM for $\frac{1}{4}$ S + N between Secs. 11 + 12; find nothing.

July 27th 1929 HC Hall with Ray & Marshall
 Drive steel into axle at orig. cor of 11-12-13-14

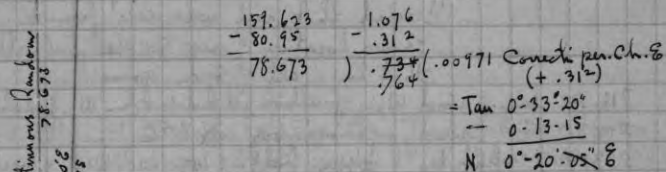
(26)

Comes in E. ditch of N + S Turnpike
 $\sqrt{1:45E}$ } W. Pine stump 14" N63E .167 = 11.0'
 Tall lone Spruce 20" S46W 1.097 = 72.4'

@ 233.90⁹ page 123 Turn defl. \angle (R) NE to orig. cor
 $\angle A = 45^\circ$ 9.419 ch.
 $\therefore 237.927$ right angle Ely to corner 8.51⁹ ch.



157.623 N 4.58 E of SEx26



80.95 N 0.0 E of SEx26

July 23rd 1929 Overcast to fair
 HC Hall with Ray, Keith, Marshall and Jay French

French shows us an orig. govt. B.T. not far N. of Soo Ry. on bank of Twin Lake & which local people have mistaked for B.T. to MC between Secs. 24 + 25. It is a perfect specimen of old govt. marking on large live W. Pine. However it is marked incorrectly ("Sec. 19" I believe) and is 35 or 40 rods SE of where E + N lines of Sec 25 enter the lake. We conclude that the US surveyors camped there & some one practised with the scribe. No tree of this kind is called for in this vicinity.

We find D.H.V. Vaughan's MC. on line between 24 + 25. Find his post at water's edge and his two bearings which agree at 1-50' E Var. We drive 7' green tamarac post beside his post

D.H.V.	Post	Bearing	Distance	Agreement
Dead Tam.	5"	N 52 3/4 W	1.25	= 82.5'
	4"	S 70 7/8 W	.95	= 62.7'
New Tamarac	6"	N 72 3/4 W	1.29 ⁴	= 85.4'
	8"	S 53 3/4 W	1.27 ⁸	= 84.3'

We also find D.H.V.'s post for orig. MC. on Range line (S. bank) from which Orig. Tam. with 1 boxing box

D.H.V.	Post	Bearing	Distance	Agreement
New Tam.	8"	S 68 W	1.00	= 66.0'
	8"	S 82 W	1.50	= 99.0'
D.H.V. MC bet. 24 + 25		N 40 W	.72	= 47.5'

Run Wly (N 84-00-15 W) on random course between 24 + 25 on 1 Var. 3-39' W. (from D.H.V. figures in Co. record) (Starks' books would make it 1-47' W. Var.)

- .50 D.H.V. record to Sec Cor in lake (which he pro rated on the ice between Orig. MCs N + S)
- 0.0 D.H.V. MC. between Secs. 24 + 25
- 11.80 leave Swamp NE + S W
- 12.27⁴ hub
- 14.831 "
- (21.40² calc. for 1/8 S. .33' S. Not set)
- 25.96 hub

£ Sec. 24

38.33 hub + turn \angle W to S to DAV's cleared post for $\frac{1}{4}$ S.
His two stumps check OK. Scribe marks on SE stump.

74° 24' .618

\therefore 38.496 right angle S. to DAV $\frac{1}{4}$ S. .595

38.496 $\frac{1.545}{.01546}$ - law
of $\angle 53^\circ 10'$

87.106
+ .50
+ 7 87.606 from cor. in lake
- 21.9015

Sta. 21.7015 for $\frac{1}{8}$.33' S.

+ 21.9015

" 43.303 " $\frac{1}{4}$.667 "

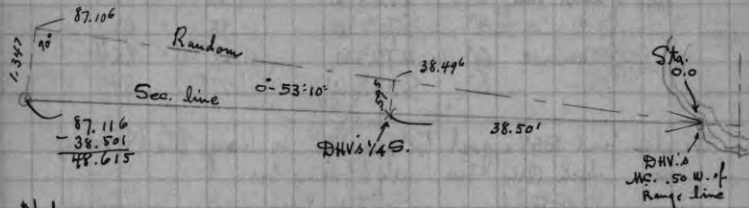
+ 21.9015

" 65.2045 " $\frac{1}{8}$ 1.008 S.

+ 21.9015

87.106 ✓

38.496 H.C.H.
- 38.33 DAV.
38.33) .166 samp.
 .00433 - per ch.
 x 8673 DAV asc.
 .3755
 + 86.73
 87.106 pro-rate
x .01546 for Sec. Cor.
 1.347
calc. correct " "



Note DAV's treatment of this mile is highly inconsistent; he established a MC where his £ 24 intersected the lake shore, then proceeded to pro-rate against his MC in spite of the fact that he had only .50 between his MC and the Range line as against Govt. Record of 8.32. Thus he has his $\frac{1}{4}$ S located 48.615 E. of SW cor. 24 or 4.807 E. of mid point on £ 24.

We are using his $\frac{1}{4}$ S. only as a means of arriving at the location of the Orig. SW cor. of Sec. 24

Continue on same course, same random

40.927 hub

(43.303 calc. for $\frac{1}{4}$ S. .667 S. Not set)

46.189 hub (Needle here reads $4^\circ 30'$ W. Var.)

49.016 "

£ Secs. 23 + 24

July 24th 1929 Misty Same party - continue on line

hub

63.86 "

(65.204 calc. for $\frac{1}{8}$ S. 1.008 S. not set)

69.13 hub

80.00 "

86.45 " in edge of field NW + SE (5' E. of fence)

87.106 right angle S. 1.347 for Cor. to Secs. 23-24-25-26

and set same as described on page 121.

This method of producing DAV's line thru his MC and his $\frac{1}{4}$ S a proportional distance West brings us to this point in the oat field which agrees within .27 of our meas. of DAV's record from S. and within .31 of our random from S. We consider this as sufficient evidence by which to re-locate this corner. All orig. bearings and all of DAV's have been destroyed.

Our meas. between DAV's corners on £ 26 was .17 ch. short
" " " " " " " " £ " " .27 "

Continue (N $84^\circ 00' - 15'$ W.) on same course or same random

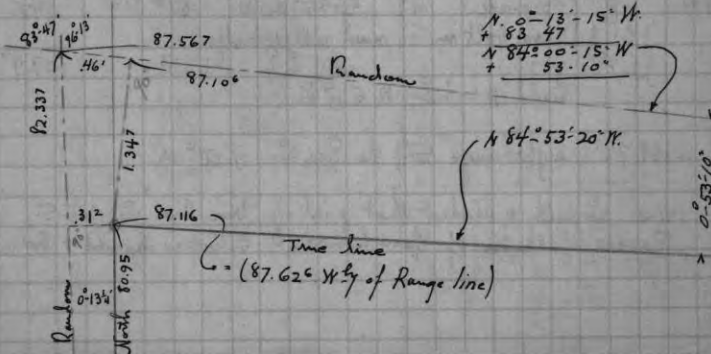
87.567 intersect our random £ 23 at Sta. 82.337 + turn \angle

N. to E. (3 times) $96^\circ 13'$

- S to SE to cor. $12^\circ 40'$ 1.423 ch.

99.59 hub in doorway of hay barn (approx. 4:00 NE of S. x barn)

103.745 "



Sec. 23

120.00 hnt
 128.44^c right angle S^{ly} 4.42^s + set 1/4 S. between 23 & 26
 Drive down Pipe & scribed cedar post in hayfield
 Pile rocks about post - no bearings near.
 With 3^d E. Var.
 S.E. White farmhouse on N² E² Sec. 27. brs S 81^o W
 E. cupola potato warehouse " S 38^o W
 W. end hay barn " S 24^o E

137.31 hnt
 147.51 " + begin traverse to Sec. cor. to avoid dense growth
 in creek bottom.

Random line N 84^o.00.15" W = Azimuth 275^o-59'-45"
 - 28 30 30
 247^o-29'-15"

① 247^o-29'-15" = S 67^o-29'-15" W 23.93^s ch.

② 348^o.25'-15" = N 11^o-34'-45" W 4.112 "

to orig. corner to Secs. 22-23-26-27 as identified
 & marked ~~See page~~ below

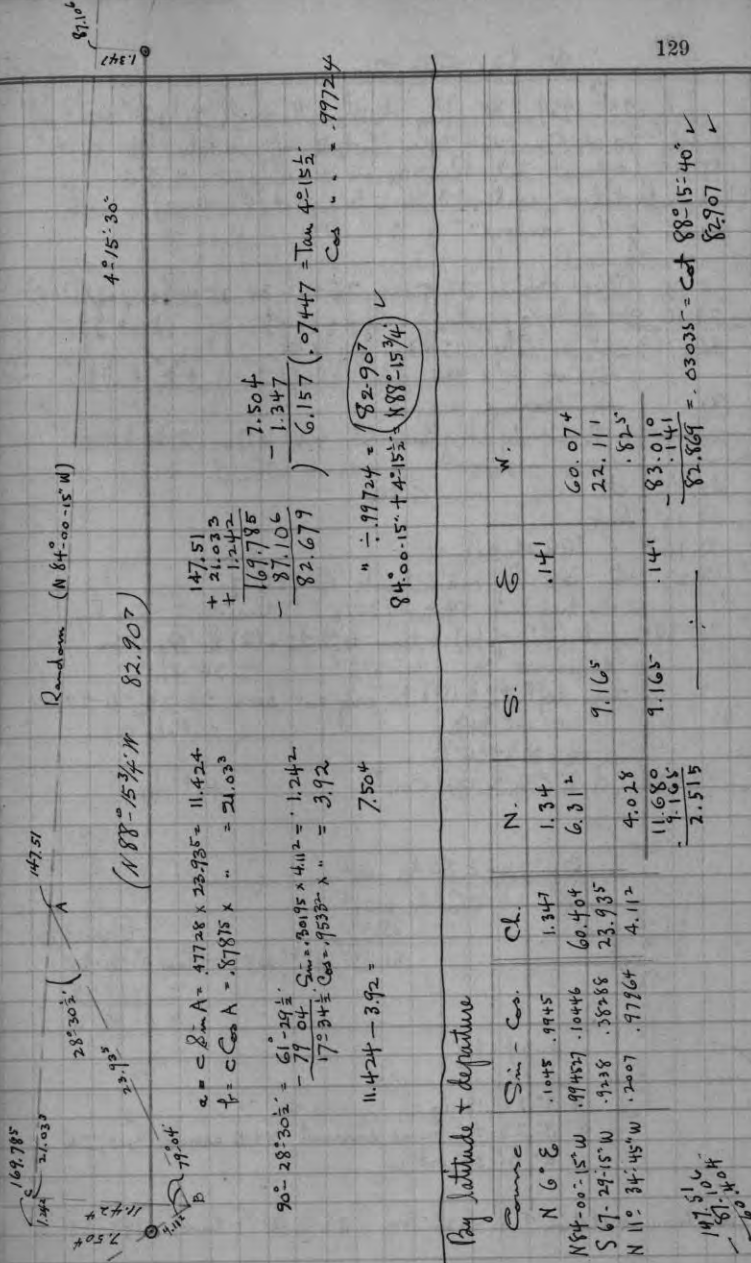
We find Town Road built N+D over this corner and
 a post on W. side of fill - offset carelessly. The stump of
 the original East tamarac is OK (marks plain). The
 other is in bad shape. Set corner by setting off Var.
 of 2^o36' E (calc. on Rec. Var.) and measuring 42.15 89^o W
 from the east stump. Comes in W. ret. of turnpike.
 Drive 1 1/2" Well point for corner.

Meas. N. to present creek is 1.60^s instead of 1.10 (Rec.)

⑦ $\frac{13^{\circ}E}{July 25^{th}}$ { Spruce 9" S 85^o-20' W .82^s } = 54.6'
 { Iron bolt in S. mud sill of bridge N 1^o E }
 1.63^s = 107.9'
 Road N. brs. N 5 1/4^o E.

$\therefore 169.78^s$ right angle S^{ly} to Sec. Co. 7.50^t ch.

We correct & stake that part of true line E. of 1/4 S.
 Passes just N. of farmhouse & between house & barn!



Random (N 84^o.00.15" W)

(N 88^o-15 3/4' W 82.907)

147.51
 28^o30^s
 23.93^s
 11.424
 17.904
 99.04
 7.50^t
 169.78^s
 27.03^s
 1.94
 7.50^t
 11.424
 17.904
 99.04
 7.50^t
 169.78^s
 27.03^s
 1.94
 7.50^t

147.51
 + 21.033
 + 1.242
 169.785
 - 87.106
 82.679
 7.504
 - 1.347
 6.157
 82.907
 84^o.00.15" + 4^o.15 1/2" = 88^o-15 3/4"
 " ÷ 99704 = 82.907
 84^o.00.15" + 4^o.15 1/2" = 88^o-15 3/4"
 99724

Pay latitude & departure

Course	Sim. Co.	Ch.	N.	S.	E.	W.
N 6 ^o E	1.045	99.45	1.34		.14	
N 84 ^o .00.15" W	99.4537	104.46	6.31 ²			60.07 ⁺
S 67 ^o .29.15" W	9.238	382.88		9.16 ^s		22.111
N 11 ^o .34.45" W	2.007	97.64	4.028			.82 ^s
			11.680			83.010
			1.168			82.907
			2.515			82.907

88^o 15' 40"
 82.907

W. line Sec. 26

July, 25th 1929 H.C. Ray, Keith, Marshall & Jay French
 At orig. SW cor. Sec. 26, turn E to N off random Φ
 $93^\circ 15'$ (4 turns) and Run N. on a random - $N 3^\circ E$.
 (Had not tied our random N 26 into cor. at this time)
 Course of this random $N 1^\circ 10'. 15'' W$

0.0 Orig. comes to Secs. 26-27-34-35 (See page 118)

23.16 Scratch $\frac{1}{2}$ arrow on fence post

40.717 rt. \angle Ely 24° for $\frac{1}{4}$ S.

Drives $1\frac{1}{2} \times 3\frac{1}{2}$ steel shaft in potato field

(4) No bearings near
 Φ County Highway "C" brs. N by $2.14 = 140'$

42.86 Φ " " E+W

43.15 hulk

53.16^s " (RR spike)

54.23 Φ Soo Ry main tracks Ely & Wly

\therefore On true line 54.212 (3578') Intersect Φ Soo Ry.

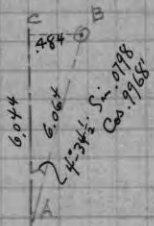
75.39' hulk (RR spike) + turn deflectin \angle (R) to Sta. (1) on Φ traverse

$31 = 37\frac{1}{2}'$ $2.34'$ ch.

" Turn deflectin \angle (R) to orig. cor. secs. 22-23-26-27
 $4 = 34\frac{1}{2}'$ $6.06'$ ch.

= $N 3^\circ 24' E$

$\therefore 81.435'$ rt. \angle Ely to Sec. Cor. $48'$ ch.



$$a = c \sin A = .484$$

$$b = c \cos A = 6.04'$$

$$+ 75.39'$$

To correct E

$$81.435' \cdot .484 \cdot (.00594) = \tan 0^\circ 20' 20''$$

$$- 1.10.15$$

$$N. 0^\circ 50' W.$$

$$4.34.30'$$

$$- 1.10.15'$$

$$N 3^\circ 24' 15'' E.$$

- N $3^\circ 23'. 40''$ E - as carried N+W around Sec. 26

$0^\circ 0'. 35''$ out \angle

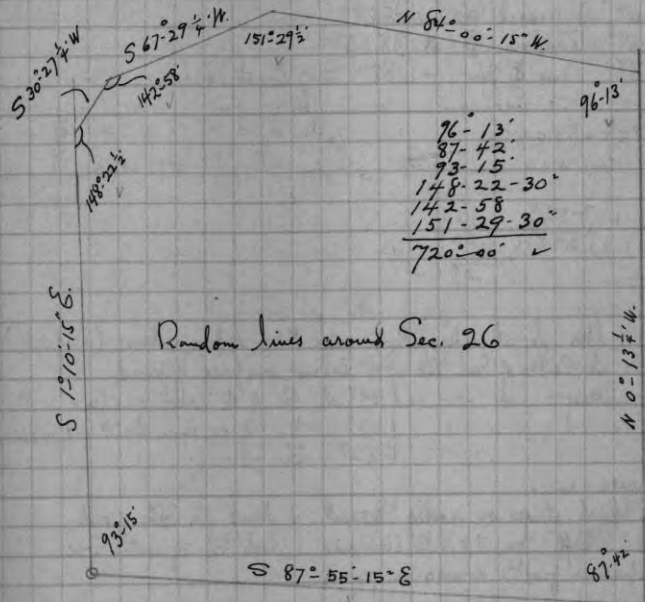
At traverse station (1) on N 26 Turn \angle NE to SW (3 times) $142-58'$

Note - P.H. Vaughan says in notes that he drove iron rod in Φ
 road E+W for $\frac{1}{4}$ S between 26 & 27. He does not call it orig.
 but used a straight line from Sec. Cor to Sec. Cor.
 Therefore we decide to place the $\frac{1}{4}$ at mid-point on Φ , or

$140'$ S of Φ road.

Later - Find that the recorded plat of "Purinton" (now Starbuck)
 laid out 40 or more years ago by P.M. Dahl shows the orig.
 $\frac{1}{4}$ S to be approx the same distance S. of Soo line
 as our meas. shows. This indicates that the $\frac{1}{4}$ S never
 was near the Φ of present highway.

Connected Φ 26 passes thru R.R. section house, possibly 2' E. of chimney.
 (thru E. casing of center window on S. side of house)



Quarter Sec. lines in Sec. 26

July 26th 1929 #CH. with Ray & Marshall & Jay French
 Run N + S 1/4 line from S. after setting South 1/4 (page
 (calc. course = N 0° 24' 50" W) by turning 87° 30' 7" W to N.
 from sta. 40.87 on random Φ .

Hub north by Sos Ry. - all open fields

Fall .01 ch. W of flag at North 1/4

Move over onto true line & set points at Co. Highway for each Sec.

(Mark notch on RR snow fence for true line)

line crosses County Highway near E. end of small pond S. of road

Run E + W 1/4 line by 2.016 N by (along HW) from West 1/4 to stay
 in highway & to avoid buildings, (stone etc.) on 1/4 line.

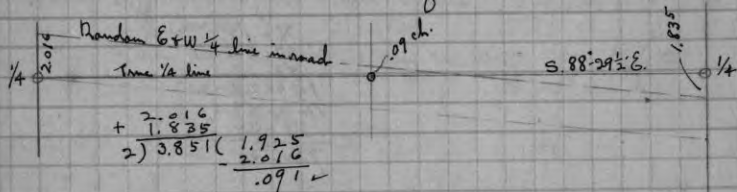
S to E 85° ±

Chain E by on random in road

41.304 Intersect N + S 1/4 line

82.439 - Random Φ at 38.652

∴ 82.588 - True Φ 26 1.832 S. of East 1/4 cor.



Move 9 lbs S. at intersection with N + S 1/4 line + drive (Aug 2nd)
 car axle at Center of Sec. 26 4" below surface of road.

This "marking" - - - is { .095 ch. S. of Φ road grading
 { .022 " N. of an iron bolt } for N + S line
 { .229 " S. - } for E + W line

No bearings near.

Paint a red stripe on rocks opposite + drive an oak post
 marked "16 1/2 ft." on N + S 1/4 line and 1 rod S. of Center Sec.
 Said reference post comes in pond.

All 4 Sec. lines being straight, the Centre is

40.596 from N 1/4 + from S 1/4

41.157 " E 1/4 + " W 1/4

$$\begin{array}{r} 2) 81.191 \\ 40.596 \end{array}$$

$$\begin{array}{r} 2) 82.314 \\ 41.157 \end{array}$$

 Traverse of Sec. 26 - True lines - beginning
 at S & E cor. " " (Assuming Φ as Meridian)

Course	Sin	Cos.	Chains	N	S.	E.	W.
# North			80.95	80.95			
N N 88° 15' 3/4" W.	.99954	.03033	82.908	2.514			82.870
HW S. 0° - 50' E	.01454	.99989	81.435		81.426	1.184	
Φ S 88° 34 1/2" E	.99969	.02486	81.72		2.032	81.695	
				83.464	83.458	82.879	82.870

.006 error .009

Calc. for N + S Quarter line

Course	Sin	Cos.	Ch.	N.	S.	E.	W.
S 88° 34 1/2" E.			40.86		1.016	40.847	
North			80.95	80.95			
N. 88° 15' 3/4" W			41.454	1.257			41.435
				82.207	1.106	40.847	41.435
				1.016	1.016	- 40.847	- 40.847
				81.191			.588

∴ Course = N 0° 24' 50" W.
 81.191 ch.

.00724 =
 Tan 0° 24' 50"

NW 1/4
 167.835 A.

NE 1/4
 167.334 A.

26

SW 1/4
 166.627 A.

SE 1/4
 166.130 A.

W. line Sec. 23+14

July 27th 1929 HC Hall with Ray + Marshall
Run N₄ on 493 (random) by continuing on deflection
course on which we came into corner from S.

N 3° 23' 40" E. - page 130 -
Traverse on hill - sta. 75.39 " " Sight N thru NW x 26
0.0

60.00 angle point - spike in E. edge road grading
We identify DHV's corner "Sec. Cor." by his stump OK (0°-50' W ran)
- point comes in Φ road opposite his post
@ 60.00 turn deflection angle (L) to his corner in road
0°-50' 9.43 ch.
 \therefore 69.43 DHV's corner supposed to be corrected E. from his
station 74.38 according to his notes!

+ .03[±]
69.46 line of new fence Ely

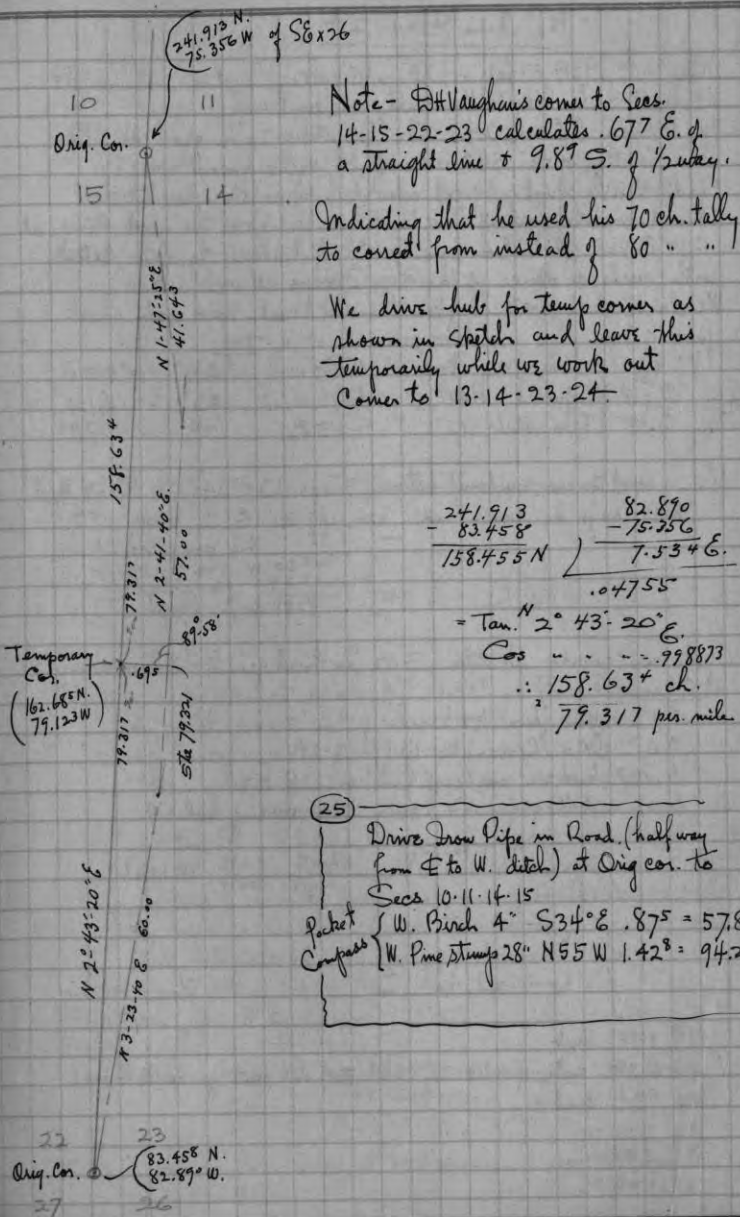
July 29th 1929 fair - 80° Same party - continue traverse
from 60.00
(N 2° 41' 40" E) to stay in (curved) road 57.00 ch.
= Sta. 117.00 ch.

(def. \angle (L) 0°-42') pass 1.4 ft. E. of DHV cor.
At Station 80.00 look for Sec. Cor. Find
nothing - stumps burned + blasted. Decried frame
house stands about 1.00 ch N + 1.50 W.
At station 109.17[±] find well-point in E. ditch
which agrees with large rock noted by DHV
(for his $\frac{1}{4}$)

At Sta. 117.00 drive spike - 62 paces N of fence E
Thence deflection angle (L) 0°-49' =
42.00 ch = Sta. 159.00 ch.

Hub + look for corner. DHV's post stands on
W. edge road cut. After running + measuring S.
from small lake we identify DHV's NW bearing tree
(remains) no marks. Point falls in road midway
between crown of turnpike + W ditch. Agrees very nearly
with DHV record S. of lake + is slightly west of an
old random from N.

Locate this point by \angle S to W from 159.00 9°-32' .36[±] ch.
 \therefore Course from sta. 117.00 =
(N 1°-47'-25" E) 41.64³ = Sta. 158.64³ ch. (25)



N. line Sec. 24

July 30th 1929 fair 80° 85'

HC Hall with Ray + Marshall + Jay French

Find Orig. N E cor. 24. The SW stump is in good condition

location of the others doubtful. water knee deep

Find DHV's post tipped over but obviously where it stood.

This does not check so well for course from the good stump at 1° 35' E var. (Reduction from Govt.) but seems to agree better with such evidence of the other stumps as we find.

We drive tall scribed green tamarac post. Have only short piece of iron pipe - so drive same in " top.

(23)	Pocket Compass Notes	{	stump orig. tam.	S 62 W	.38	= 25.1'
			Spurk 4°	S 75 W	.93	= 61.4'
			Tam. stub 12°	S 55 E	.29	= 19.1'

Run Westly on random between Secs. 13 + 24 V. 5° 58' West

(DHV says he ran " on var. 0° 30' E in 1907

- 5° his correction

+ $\frac{4° 30' \text{ W. var. for 1907}}{1 - 28 \text{ for } 22 \text{ yrs.}}$

5° 58' W in 1929)

Get our course at Sta. 3.02 (on hard ground - B.D. in corner)

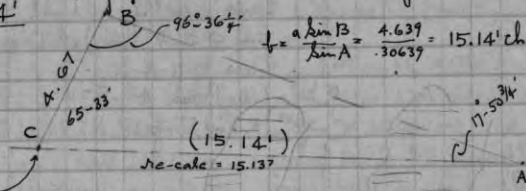
Chains

- 0.13 Wire fence N + S

0.0 Orig. Corner to 18-19-13-24

3.02³ hub on neck of firm ground N + S.3.01 set flag for Δ over two swamp holes W.

+ 15.14'



18.151 hub

(23.62⁶ calc for 1/8 S. .24⁹ S did not go back here)23.93³ hub

30.32 "

36.498 "

48.52⁶ "

N 24

47.12 turn W to S to DHV point for 1/4 S which he set on pro-rate thru mill in 907 80° 48' .51 ch.

We identify this point by two charred stumps which exactly agree for course + dist. with DHV notes.

Comes in logging road - No marks nor stake hole to be found. Drive temporary post at point.

∴ 47.20 rt. \angle Sly to DHV 1/4 S .50²∴ calc. for Orig. $\frac{S 62 W \times .24}{NW} = \frac{47.20}{94.40}$ rt \angle S. 1.00⁴(47.25² (my calc. for 1/4 S after finding orig SW) rt \angle S. 498 (we did not go back for this cor)53.40⁷ hubJuly 31st 1929 Same party - continue same random (N 82° 20' W)57.72⁵ hub65.45⁵ "70.77² "(70.87⁹ calc. for 1/8 S. .74⁷ S. not set)

82.00 hub

94.40 " + turn rt. angle Sly 1.00⁴ This brings us to a point 4 or 5' E of where we had dug for stake evidence - (see foot of page 122).

This is without doubt the orig. corner used & pro-rated against by DHV. Since his random fell so far S. (82.20) some difference in meas. is to be expected. We set this corner (13-14-23-24) by course + dist. from remains of Oak & Maple roots as near as possible. Both trunks lie on ground where they fell, except for portions burned.

- See Page 123 for New Bearings etc. -

94.40 turn W to S to corner 83° 57' 1.00²∴ 94.50⁵ right \angle Sly to " .99⁶ ch." .99⁶ (= .01054 - Tan. 0° 36' 1/2. True length = 94.51 ch.+ 82-20 1/2 W
N 82° 57' W - line95.73 on this random, intersect N + S random at (60.779 (page 123)
+ turn \angle Ste E. 82° 07' 30" (+ 0° 13' 1/2 - S 82° 20' 1/2 E)

N Sec. 23

$$\begin{array}{r} 162.68^5 \text{ N.} \\ - 159.62^5 \text{ N.} \\ \hline 3.06 \end{array} \quad \begin{array}{r} 79.12^3 \text{ W.} \\ + 4.58 \text{ E.} \\ \hline 79.58^1 \end{array} = .03845 =$$

∴ Calc. course to Temp. cor. 14-15-22-23 = $\text{Ct. N. } 87^\circ 47' 50'' \text{ W}$
79.64 ch.

Run N $87^\circ 48' \text{ W}$ from Orig. NW \times Sec 24 (by \angle N to W off
random $87^\circ 34' 45''$)
Needle reads N $86^\circ 50' \text{ W}$ with $1^\circ 45' \text{ E. Var.}$

Ch.

0.0 Orig. Cor. to Secs. 13-14-23-24

3.30 Φ Road N + S.

16.37 hub

20.37² rt \angle S by .018 + set $\frac{1}{8}$ S. cor. Drive Iron Pipe
+ Scribed W. Pine Post

(21) $\begin{array}{l} \vee 1^\circ 45' \text{ E} \\ \text{Nov. 16}^{\text{th}} \end{array} \left\{ \begin{array}{l} \text{W. Pine stump } 11'' \text{ N } 31^\circ \text{ W } (328\frac{1}{2}^\circ) .61^8 = 40.8 \\ \text{'' '' '' } 12'' \text{ S } 43\frac{1}{2} \text{ E } (135^\circ 40') 1.04^8 = 69.2 \end{array} \right.$

30.93 hub

August 1st 1929H.C. Hall with Ray, Keith, Marshall and Jay French
Resume same line

33.75 Enter Tamarac Swamp (wet) NE + SW

39.88 Set lally stake at Govt. Record

We look for $\frac{1}{4}$ S. Plenty of big tamarac remains
but can find nothing definite.40.74⁴ rt \angle S by .036 ch. + set $\frac{1}{4}$ S. in Swamp.

Drive Iron Pipe + Pine Post

(20) $\begin{array}{l} \vee 1^\circ 45' \text{ E} \\ \text{Nov. 16} \end{array} \left\{ \begin{array}{l} \text{Tam. stub } 16'' \text{ N } 74^\circ \text{ E } .80^7 = 53.3' \\ \text{Spike in W. Pine stump} \\ 24'' \text{ N } 36^\circ \text{ W } 1.62 = 106.9' \end{array} \right.$

42.25 leave Swamp NE + SW

48.66³ hub

49. old road N + S

49.18⁵ fence - -

52.88 hub

(we correct this S 3.04 feet)

60.00 "

61.11⁶ rt \angle S by .053 + set $\frac{1}{8}$ S. in pasture

(19) $\begin{array}{l} \vee 1^\circ 45' \text{ E} \\ \text{Nov. 16} \end{array} \left\{ \begin{array}{l} \text{Iron Pipe + Pine Post} \\ \text{W. Pine stump } 15'' \text{ N } 15^\circ \text{ W } .96^5 = 63.7' \\ \text{W. '' '' } 10'' \text{ S } 45^\circ \text{ E } .66^9 = 44.2' \end{array} \right.$

78.97 Φ road N + S (to Spafford's etc.)79.64⁵ fall .08⁶ N. of our temp. corner to Secs. 14-15-22-23
(Calc 79.63⁸) This .08⁶ indicates some
variance in our N + S measuring. Possibly gained
on our 4th 23 as it was lally measuring.- Later - Angle turned in road near temp. Cor
checks the course of this random as N $87^\circ 47' 40''$

Later

81.48⁸ would fall .07¹ ch. N. of Pro-rated Sec. Cor.
= .00087 = $\tan 0^\circ 03'$ to correct S by

481.488	41.071
20.37 ²	.018
40.744	.036
61.116	.054
81.488	.072

West on Random between Secs. 15 + 22

November 13th 1929 fair $+35^\circ$ Ray + Marshall with Jay French

Run west on random course from temp. cor. to 14-15-22-23

We had walked thru on this line + found Orig. Cor. 15-16-21-22
and that we could guess a random better than using
Govt. Var. - We were mistaken -Set flag 3.75 ft. S. of sta. 52.88 page 138 for N 23 as
corrected to TEMP. COR. Backsight on this flag from Temp. cor.
Deflection angle (R) with of random initiated = $0^\circ 32'$
- $0^\circ 045'$
 $0^\circ 31\frac{1}{4}'$ - 0.69⁵ Point in Φ road + turn W. to S. to orig. cor. 22-23-26-27
 $89^\circ 26\frac{1}{2}'$ (to line deflecting $0^\circ 31\frac{1}{4}'$)

0.0 Temporary Cor.

1.84³ Set Corner to Secs. 14-15-22-23 (on random)

2.54 W of road Drive Iron Pipe

(18) $\begin{array}{l} \vee 1^\circ 45' \text{ E} \\ \text{Nov. 16} \end{array} \left\{ \begin{array}{l} \text{W. Pine stump } 25'' \text{ S } 57^\circ \text{ E } (124\frac{1}{2}^\circ) .73^2 = 48.3' \\ \text{W. '' '' } 11'' \text{ S } 49\frac{1}{2} \text{ W } (230\frac{1}{2}^\circ) .69 = 45.5' \\ \text{W. '' '' } 15'' \text{ N } 60^\circ \text{ W } (301^\circ) .63^9 = 42.2' \end{array} \right.$

North line Sec. 22

Note - My random line between 15+22 so nearly co-incides with a rt. angle off straight line between (14+23) + (15+22) that the pro-rated corner comes in said randoms.

20.66' hub to move 0.3 ft. S. to pass trees = $0^{\circ}0'45''$

$$\begin{array}{r} 87-47-40'' \\ + \quad 03-45'' \\ \hline 87-51-25'' \\ - \quad 31-15'' \\ \hline \end{array}$$

\therefore Course of this random = N. $87^{\circ}20'70''$ W.

22.16' rt. \angle . N. by .51' for $\frac{1}{8}$ S (= 20.32 W. of P.R. corner)

- (17) Drive down Pipe & Pitch Post (on SW slope near summit)
 Y. 1:45 E of Y. Pine 10° S $14\frac{1}{2}$ W ($195\frac{1}{2}^{\circ}$) .56' = 37.2'
 Y " 11" N $4\frac{1}{2}$ W ($356\frac{1}{2}^{\circ}$) .46' = 30.6'

31.42 hub

36.813 "

$$= .888 = 88.6'$$

42.483 rt. \angle N. by 1.03' + set $\frac{1}{4}$ S (= 40.64 W. of Pro-rata Cor.)

(SW side small hollow - burnt barrels)

Drive down Pipe & pitch post

- (16) Y. 1:45 E { W. Pine stump 10° N 25° W (336°) .546 = 36.0
 W. stub 20° S 82° E ($98\frac{1}{2}^{\circ}$) .579 = 38.2

We searched thoroly but everything is badly burned. Have no record of any one ever finding Orig.

Find two stump remains close to our $\frac{1}{4}$, which check up pretty well but can find no stake hole to support them.

45.07 hub

48.816 "

58.166 " + enter (arm of) swamp from S

62.803 rt. \angle N. by 1.548' + set $\frac{1}{8}$ S.

= 60.96 W. of P.R. cor., along random

(15) Drive Pitch post in depression atop ridge N & S

- Y. 1:45 E { B. Pine 10° S $63\frac{1}{2}$ E ($118\frac{1}{2}^{\circ}$) .53 = 35.
 Y " 8" S $78\frac{3}{4}$ W ($261\frac{1}{2}^{\circ}$) .74 = 49.1'

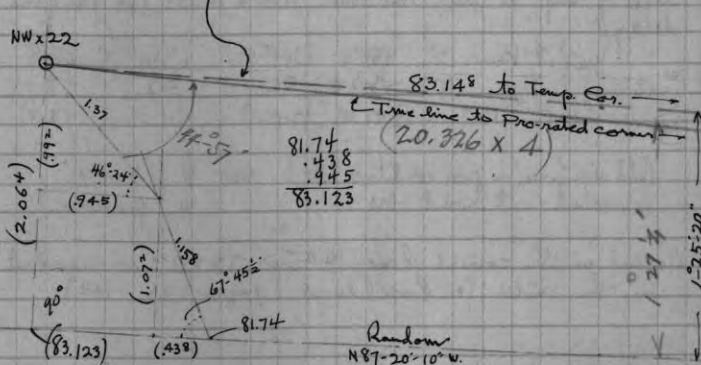
63.188 hub

(. several hubs in + out of swamp)

81.75 " unable to see corner - traverse

- (1) deflect in \angle (R) $67^{\circ}45\frac{1}{2}' = 119^{\circ}34\frac{1}{2}'$ W 1.158' ch.
 (2) " (L) $21^{\circ}21\frac{1}{2}' = N40^{\circ}56'$ W 1.37' to corner.

Barkness - last 15 ch. rough going. Decide to call hub 81.74
 $\therefore 83.123$ rt. angle N. by (over ridge) to Orig. cor. 2.064 ch.
 $2.064 \div 83.123 = .02483 = \tan 1^{\circ}25' + 20''$ cor. 99969
 = N $85^{\circ}54'50''$ W 83.148' from Temporary Corner



Govt. Record

N 23 = 79.82 ch.

N 22 = 79.64

159.46

Our measurement

79.645 Page 139

83.148

162.793

- 159.46

3.333 surp. in 2 miles
 .0209 = per ch.

$\therefore .0209 \times 79.82 = 1.668$

79.82

81.488 Proportion for N 23

$\times 79.64 = 1.664$

79.64

81.304 "

.. N 22

$\therefore 81.488$ P.R.

- 79.645

\checkmark (1.843) ch. West of Temp. Cor.

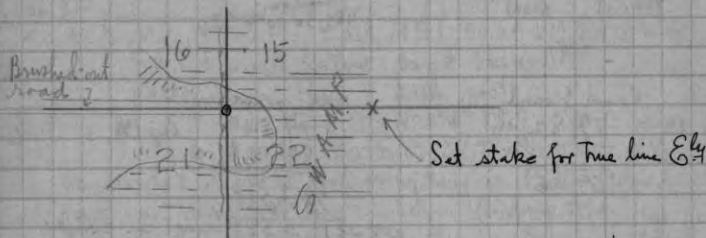
81.488
 + 81.304
 162.792

November 16th 1929 H.C. Ray, Marshall, Jay French
 Drive Iron Pipe alongside Davis old post at Orig. Cor. to
 Secs. 15-16-21-22 as closed on (Page 141)
 Also drive near Pitch post. Dorr had re-scribed what is
 left of Orig. SW tree; the other, (down in 1899) is far gone in
 decay.

Var $1 \frac{1}{4} \text{ S}$
 (14) New { Y. Pine 12° N58°W (304°50') .86 = 56.8'
 Y " 10° S30½E (152°) .42 = 27.7'
 Orig. B.T. S41W (224½°) .11 = 7.3'

Old wire fence (in poor condition) N + S hrs. W. 3 or 4'
 Brushed-out road hrs W from cor.

We set in the corners along N Secs 22 + 23 as recorded
 in the notes for those lines (pages 138 - 140)



November 18th 1929 30° Overcast
 Ray, Keith & Marshall Hall.

" + " re-meas. our random N 22 from W to E, after
 checking meas. over ridge to NW x 22. Check OK on
 all stations opposite corners set, and our surplus for the
 mile is .01° ch. I decided this re-measurement was
 warranted, since we had no other check on the distance.

Vaughn's note 9/18 (page 151 this book) is indefinite. He says he
 ran E on N 22 + meas. 83.77 to cor. 14-15-22-23.
 Must mean to E road which would be 83.84 ±

(The N 22 if run to D.H.V.'s "corner" would be S79°13'E 84.64)

83.73 random
 2.064 ± 81.28
 = .02539 = Tan. 1° 27' 15"
 N 87° 20' 10" W
 N 85° 53' W
 Cos 1° 27' 15" = .9996720 | 81.28
 81.306 ±

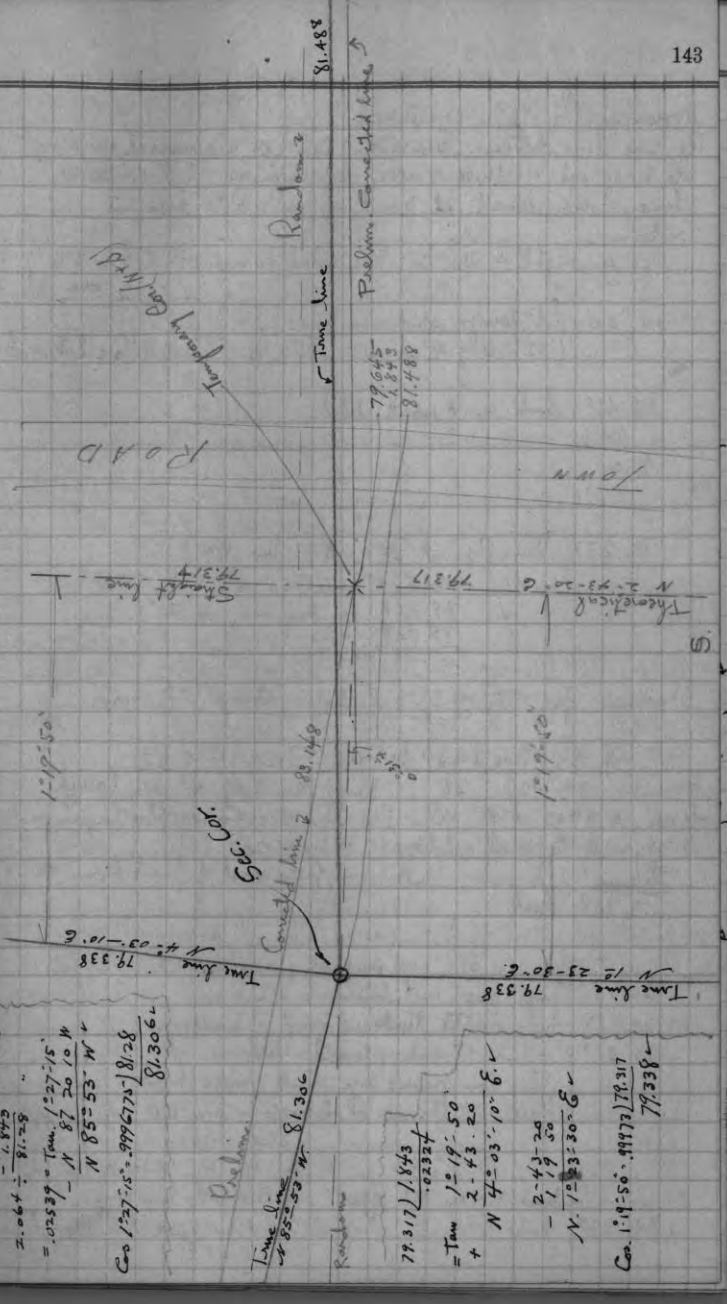
Time line
 79.338
 + N 4° 03' 10" E
 81.306 ±

79.317 | 1.843
 = Tan 1° 19' 50"

+ N 4° 03' 10" E
 79.338

- 2° 43' 30"
 N 7° 53' 30" E

Cor. 1° 19' 50" = .99972 | 79.317
 79.338 ±



November 18th 1929 - continued

Re-run line between Secs. 22 & 23 (on a reversed random) to keep out of dense brush, by sighting $S 3^{\circ} 13' 20'' W$ along town road at point opposite NW x Sec. 23.

Chains

0.0 right \angle W. to Pro-rated corner 14-15-22-23
2.54' ch.

20.00 set temp. spike on line
(.12 $\frac{1}{2}$ W of \oplus road + .85 $\frac{1}{2}$ N of line of N. face Peterson house)

33.41⁵ hub W. of road ditch

40.00 "

79.277 Iron Pipe at SW x 23 (line OK)
") 2.541 (.03205 = Tan $1^{\circ} 50' 10''$ Cos. .999488
= $\frac{79.318}{79.338}$ on true line @ $30^{\circ} F$.
.02 short.

Average for Sec. 23 calculates 649.16² Acres.

North (true line) between Secs. 14 & 15

November 19th 1929 28^o Ray, Marshall + Jay French
Run N $4^{\circ} 03' 10'' E$ from Pro-rated Sec. Corner (See diagram page 143)
by \angle W to N. off random $91^{\circ} 23' 20''$
(This line falls west of frame house NE of x)

Chains

13.708 hub

20.00 Temp. peg. not lined in

20.758 hub + enter timbered part of swamp.

26.30⁵ " in S end plowed field

This line passes thru small frame house (thru chimney)

" Offset 28 lbs. W. at rt. angle + turn W to N to flag at
Orig. NE x 15

① $90^{\circ} 18'$ ② $180^{\circ} 36'$ \angle (calc. $90^{\circ} 18' 10''$)

Continue N by on .28 offset parallel with line run

34.33⁵ hub " " just NW of house + rt. \angle E. 28 to line

SURVEY of Road for STELLA TOWN¹⁴⁵

Nov^r 2nd 1921

Began at the corner E-8-9-16-17

in 37-10 ch. on road for corner

Run West Var $1\frac{1}{2}$

2881 Full 90^o South of $\frac{1}{4}$ Post

Found stump of original trees and

Post + set 22 years ago. Had new

Post and corrected line E to corner

E or Road for Town of Stella

↑
V. up chain

At NE x 15 turn \angle SE to S. (from sta. 117 on trav. page 134)
to hub N. of house (at 34.33⁵).

$$3) 6^{\circ} 49' 8'' = \frac{2^{\circ}/6' 20''}{2 \frac{1}{5} \frac{45''}{75''} \text{ calc.}} \\ 0 \quad 0 \quad 75'' \text{ out.}$$

Continue N by on true line to flag.

39.69³ Drive Iron Pipe (flush with ground) + pile up stones

for $\frac{1}{4}$ S. bet. 14 & 15. No bearings near

\oplus present turnpike br. E. 1.50 = 99'

{ Tall Spruce PT near NE x 14 Azimuth $67^{\circ} 40'$

{ S. peak hay barn " $93^{\circ} 30'$

79.38⁶ Iron Pipe at NE x 15. - One tree has been removed.
Mr. Mosen (of O.C.I. Co.) halted operations here. Did not wish
any more of the corners S.

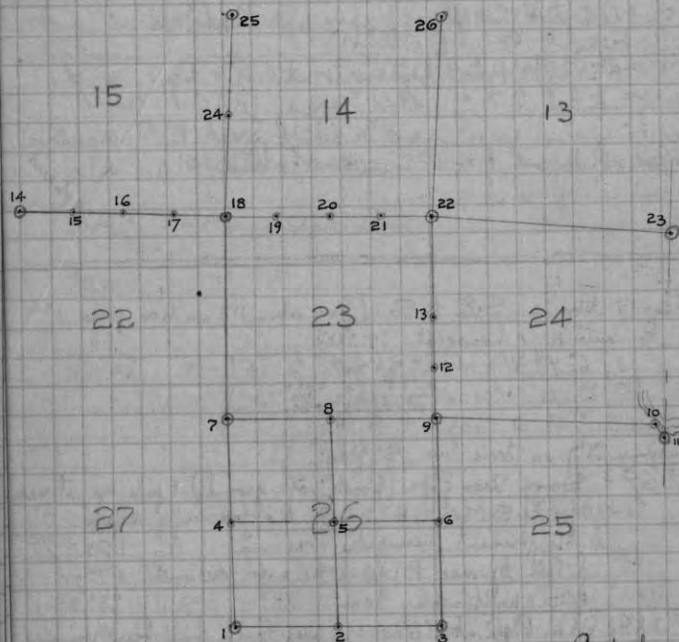
Notes by comparing the 2nd meas. of \oplus 15 + 22 with the travers
measurement. + taking temperature into consideration I
find that our Pro-rated Sec. Cor. may be as much as
2 feet S. of intended point. Will ignore this since we
have already corrected the corner on 14-22 + 23.

December 8 + 9th 1929 Observed Polaris at upper culmination
+ tie in to W. line Sec. 26. Mag. var. here $1^{\circ} 59' E$.

\therefore To adjust all courses noted in these pages (121 to 145)

{ Add $0^{\circ} 04\frac{1}{2}'$ to all NWly + SEly courses

{ Subtract $04\frac{1}{2}'$ from " NEly + SWly "



Posted

Diagram of corners set in 37-10E. for Oneida County Investment Co.
#R29612
See Map N° " " on file

Secs 15+22 37-10

Town Road on and adjacent to Sec. line.

April 14th 1932

Set up over Orig. NW Cor 22 - ground frozen.
Run Ely (S 85° 57' E ±) by sight on line
picket previously set.
off traverse station = 44° 57'

508' Hub - top of knoll (correct N. 1.13')
710 " Enter Swamp " " 1.58'

Mag. var on line in swamp: 0° 45' E.

1192' Hub

1343.3 Fall 3.00 S. of our 1/4 cor.
(former meas. was 1341.5)

$$\frac{1341.5}{.00223} = 60223$$

Correct stations 508 + 710 + fall back to station
645' on true line.

Thence run E road to avoid Swamp

N. 50° 28' E 280.
N. 84° 42' E 280.
S. 74° 01' E 271.
S. 68° 47' E 250.6'
S. 21° 04' E 175.

In Sec 15

@ 120.3 Intersect sec. line 1003.07 7'

S 66° 24' E

140.

N 79° 08' E

376.

+ intersect Sec. line

In Sec 22
484.8 W. of 1/4

Thence staked road on sec line E to SE x 15.

Made new bearings for 1/4 S. between 15 + 22
met true courses

var: { W. Pine Hub 20" N 38 1/2 W 110.3'
W " " 16 S 66 1/4 E 102.4'

PELICAN August 15th 1918
 commencing at $\frac{1}{4}$ Post between Sections
 16 and 21. Township 37 N. R. 10-E

Thence East on sec. Line 3740 to
 Corner to 15-16-21-22.

Thence East on sec. Line 83.77 to the
 to Sections 14-15-22-23.

The bearings for $\frac{1}{4}$ Post betⁿ 16 + 21 are
 gone. Corner 15-16-21-22 original stump.

The $\frac{1}{4}$ post betⁿ 15 + 22 is gone
 corner to 14-15-21-22 set Oct^r 15-1915
 and made new bearing W. Pine St R. 28881 E 54
 See Page 132 County Record

PAGES 152-176

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INDEX

Section	TOWNSHIP		RANGE		CITY	ADDITION
	N.	S.	E.	W.	VILLAGE	
29	37		10			
25	37		10			
19	37		10			
15-16 21-22	37		10			SURVEY of Road for
9	37		10			
6	37		10			
8-9 16-17						Road For
11-12-13-14 37-10. Road for town of STELLA						
14-23-26	37		10			by H. C. Hall
11	37		10			N + S 1/4 line
14-23	"		"			} Roads for Town of Stella
4-9	"		"			
10-11	"		"			
26-27	"		"			
4	"		"			Emising
15+22	"		"			Road for " " " " →

INDEX

FOR WHOM SURVEYED	WHEN			Pa
	Day	Month	Year	
Lott Broadbrige	28	March	1918	117
L. Starks co	4	May	" "	100
Haggerty brothers	16	"	" "	77
Town of Pelican	15	Aug	" "	151
Doctor. Packard	14	"	1919	37
Starks co	14	"	1920	25
Town of Stella	2	NOV	" 21	1605
	21	Sept	" "	44
Oneida County Investment Co		July	1929	{ 118 146
L. Starks		January	1930	54
		April	1930	78
		" May	"	79-81
		"	"	80
		"	"	81
Own Satisfaction	16	"	"	83
	14	April	1932	147